

Title (en)
METHOD OF MAKING STEEL

Title (de)
VERFAHREN ZUR STAHLHERSTELLUNG

Title (fr)
PROCEDE DE FABRICATION D'ACIER

Publication
EP 1996736 A4 20100901 (EN)

Application
EP 07757181 A 20070219

Priority
• US 2007062386 W 20070219
• US 30774406 A 20060220

Abstract (en)
[origin: US2007193412A1] A method of making steel in an electric arc furnace is provided. The method comprises the steps of charging a steelmaking furnace with an iron source, wherein the iron source is melted and refined in the steelmaking furnace during a campaign, providing a source of lime that is screened by a first screening device, compacting the lime material adjacent to the steelmaking furnace to a predetermined size, charging the compacted lime to the steelmaking furnace within a short period of time to avoid degradation of the compacted lime, and adding additional fluxing agents and additives to the steelmaking furnace to produce refined steel in the campaign.

IPC 8 full level
C21C 7/04 (2006.01)

CPC (source: EP US)
C21C 7/04 (2013.01 - EP US); **C21C 2007/0062** (2013.01 - EP US); **Y02P 10/20** (2015.11 - EP)

Citation (search report)
• [X] CA 1158865 A 19831220 - HOWELL PHILLIP C
• [A] US 2376998 A 19450529 - FULTON WILLIAM J

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
US 2007193412 A1 20070823; US 7597741 B2 20091006; AU 2007217051 A1 20070830; AU 2007217051 B2 20110526;
CA 2643252 A1 20070830; CA 2643252 C 20131001; EP 1996736 A2 20081203; EP 1996736 A4 20100901; WO 2007098429 A2 20070830;
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